

## TECHNICAL DATASHEET

Issue date:  
October 2021

# SELEMIX® 2K ACRYLIC CLEARCOATS

## GLOSS 4-0090

## MATT 4-0015

### PRODUCT DESCRIPTION

*Selemix* 4-0090 and 4-0015 are a high-performance 2K acrylic polyurethane clearcoats designed to achieve from very high gloss to very matt finish.

4-0090 Gloss Clearcoat and 4-0015 Matt Clearcoat is designed to be used with *Selemix* Basecoat 7-540 to give a durable basecoat / clearcoat system.

It can also be applied directly over *Selemix* 7-53X Direct without any sanding of the topcoat as long as the topcoat is oven baked or overnight air dried. Surfaces should be thoroughly degreased using the appropriate cleaner in case of dust or contamination.

*Selemix* Clearcoats provide high scratch resistance, weathering resistance and gloss retention.

4-0090 Gloss Clearcoat and 4-0015 Matt Clearcoat can be blended together to achieve semi-matt or semi-gloss finishes.

### PRODUCTS

4-0090	<i>Selemix</i> Gloss Clearcoat
4-0015	<i>Selemix</i> Matt Clearcoat

**Hardener:**

9-080	Acrylic Hardener
-------	------------------

**Thinner:**

1-430	Acrylic Thinner
1-470	Slow Direct Thinner

### SUBSTRATES AND PREPARATION



Surfaces painted with  
7-53X Direct Topcoat  
or with 7-540 Basecoat




No abrasion or cleaning is required (depending on customer conditions) as long as clearcoat is applied within 24 hours



Apply only on a clean and dry surface with a temperature above the dew point to avoid condensation. In confined spaces, provide adequate ventilation during application and drying.

## MIXING

Thoroughly mix paint before activating before use

	Features	Conventional
	<b>By Weight:</b> 4-0090/4-0015 Clearcoat 9-080 Hardener 1-430 / 1-470 Thinner	1000 500 125 - 140
	<b>By Volume:</b> 4-0090/4-0015 Clearcoat 9-080 Hardener  1-430 / 1-470 Thinner	2 1  0.2 – 0.3 (10-15%)
	Viscosity (at 20°C): Pot Life (at 20°C):	16-18 secs DIN4 4 hours

## APPLICATION

	Features	Conventional
	Spraygun setup:  Air Pressure: Fluid Pressure:	Nozzle: Gravity: 1.3-1.6mm Suction: 1.4-1.8mm Pressure feed: 0.85-1.2mm  HVLP: 2 Bar Standard: 2-3 Bar N/A
	Number of coats: Flash-off between coats:	2 10 mins
	Drying:  Flash-off before bake: Wet Film Thickness: Dry Film Thickness:	Air dry or bake at 60°C for 30 mins  10 mins 100-125 microns 40-50 microns

## DRYING TIMES



at 20°C

Dust Free:  
 Touch Free:  
 Tape Free:  
 Handleable:  
 Hard Dry:  
 Overcoating time:

20-30 mins  
 2-3 hours  
 6-12 hours  
 2-3 hours  
 24 hours or after bake  
 Minimum: when Hard Dry  
 Maximum: 24 hours by itself without sanding

Lower temperature or film thickness higher than 50µm  
 will extend drying times

## MATTING CHART

MIXING GUIDE FOR VARIOUS GLOSS LEVELS				
Gloss Level:	Matt	Semi-Matt	Semi-Gloss	Gloss
4-0015 (Matt):	100%	95%	85%	-
4-0090 (Gloss):	-	5%	15%	100%
Clearcoat Volume ratio:	2			
9-080 Hardener Volume ratio:	1			
1-430 Thinner Volume ratio:	0.2 – 0.3			

## TECHNICAL DATA

Based on ready-for-use mixed paint  
 including thinner:

VOC (g/L):  
 Solid content (weight):  
 Solid content (volume):  
 Solvent content (weight):  
 Specific gravity (Ready for use)

561-574 g/L (depending on gloss and dilution)  
 41-45 %  
 35-37 %  
 55-59 %  
 0.98-1.02 Kg/L

Theoretical coverage:

8.8-9.1 m²/L at 40 microns DFT

Gloss:

High Gloss to Full Matt

## PRODUCT CODES AND DESCRIPTIONS

Selemix Code	Short Code	Product Description	Packsize	
2.100.0015/E20	4-0015	2K Acrylic Matt Clearcoat	20	Lt
2.100.0090/E20	4-0090	2K Acrylic Gloss Clearcoat	20	Lt
1.959.5080/E1	9-080	Acrylic Hardener	1	Lt
1.959.5080/E5	9-080	Acrylic Hardener	5	Lt
1.911.4430/E1	1-430	Acrylic Thinner	1	Lt
1.911.4430/E5	1-430	Acrylic Thinner	5	Lt
1.991.1470/E5	1-470	Slow Direct Thinner	5	Lt

## HEALTH AND SAFETY

For comprehensive Health, Safety and Environmental advice, please refer to the relevant Material Safety Data Sheets and Product can labels.

## THIS PRODUCT IS FOR PROFESSIONAL USE ONLY

The information given in this sheet is for guidance only. Any person using the product without first making further enquiries as to the stability of the product for the intended purpose does so at his own risk and we can accept no liability for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of our experience and our policy of continuous product development. Drying times quoted are average times at 20°C. Film thickness, humidity and shop temperature can all affect drying times.

### FOR FURTHER INFORMATION PLEASE CONTACT:

Selemix Customer Service and Sales Group  
Needham Road  
Stowmarket, Suffolk  
IP14 2AD, England  
Tel: 01449 771771